

## RESOURCES

Table 1 reflects the fiscal year (FY) 2007 - 2008 proposed resources needed for the Global Nuclear Energy Partnership (GNEP) activities under the staff's recommendation. None of these resources have yet been approved specifically for GNEP. Although several offices have staff available and ready to implement the staff's GNEP recommendation, additional funding through supplemental appropriation for FY 2008 is needed.

Consistent with Commission direction in Staff Requirements Memorandum (SRM)-SECY-06-0066, staff is preparing a reimbursable agreement with the U.S. Department of Energy (DOE) for GNEP. Resources that the staff expects to be provided by this DOE reimbursable agreement are reflected in the first row of this table. The reimbursable agreement is in concurrence and is expected to be in place by the end of May 2007. The type of work to be covered by the DOE reimbursable agreement is described under the first row of the "Activity" column of Tables 1 and 3. The second row reflects the resources the staff would need for the development of a regulatory framework for commercial GNEP facilities and associated Special Nuclear Material in order to keep pace with DOE's progress.

Table 1. FY 2007 - 2008 Proposed Resource Needs

| ACTIVITY  | FY 2007                    |                | FY 2008 |                |
|---|----------------------------|----------------|---------|----------------|
|   | Full Time Equivalent (FTE) | Contract Funds | FTE     | Contract Funds |
| DOE Resources (for the US. Nuclear Regulatory Commission (NRC))<br>1. Proposed to be covered under the DOE/NRC Memorandum of Understanding (MOU) (funds from DOE)<br><br>Interactions with DOE and industry/international entities for learning about GNEP technology<br>-Safety<br>-Safeguards<br>-Environmental<br>-Related training<br>-Related Travel | 4.4                        | 200K           | 7.15    | 1050K          |
| 2. NRC Resources<br><br>Develop Licensing Technical Bases to Support Rulemaking:<br>-Complete the conceptual licensing process<br>-Gap Analysis<br>-Technical Basis in support of rulemaking<br>-Early draft Standard Review Plans (SRPs), etc.   | 7.0                        | 150K           | 12.8    | 1M             |
| 3. Total Resources Needed by FY   | 11.4                       | 350K           | 19.95   | 2.050M         |

Note: RES has budgeted under the Advanced Fuel Cycle Initiative: 150K and 1 FTE in FY 2007. These values were included in item 2 of this table.

The proposed additional FY 2007 NRC resources requires 6 FTE which would have to come from lower priority FY 2007 work, if the Commission directs the staff to prepare technical basis documents in support of a FY 2009 rulemaking. Because the staff did not receive funding for GNEP in FY 2008, the funding to support the necessary regulatory development activity would

have to come from supplemental appropriations or some other means. Table 2 reflects the FY 2007 - FY 2009 proposed resources needed, the resources budgeted and the associated shortfalls. The staff anticipates that DOE will extend the reimbursable agreement, once in place, through FY 2009.

Table 2. Summary of Proposed FY 2007- FY2009 Resources for GNEP

| FY | Total Resources Required |             | Budgeted |             | Delta |             | Possible Funding Source for Delta                |   |
|----|--------------------------|-------------|----------|-------------|-------|-------------|--|---|
|    | FTE                      | Contract \$ | FTE      | Contract \$ | FTE   | Contract \$ | FTE  | Contract \$                                     |
| 07 | 11.4                     | 350 K       | 1.0      | 150K        | 10.4  | 200K        | 4.4 (DOE)<br>6.0 (NRC - lower priority work)     | 200K (DOE)                                      |
| 08 | 19.95                    | 2.05M       | 0.0      | 0.0         | 19.95 | 2.05M       | 7.15 (DOE)<br>12.8 (Supplemental Appropriations) | 1050K (DOE)<br>1M (Supplemental Appropriations) |
| 09 | 23.55                    | 2.05M       | 0.0      | 0.0         | -TBD  | -TBD-       | 7.15 (DOE)<br>15.8 (NRC FY09 Budget Submission)  | 1050K (DOE)<br>1M (NRC FY09 Budget Submission)  |

Table 3 reflects the proposed resources, to be provided by office, and the resources that the staff expects that DOE will provide in FYs 2007-2008 for GNEP activities that will fall under the DOE reimbursable agreement, once it is in-place. For the proposed NRC funds (bottom half of the table), the staff assumes that: 1) FY 2007 NRC resources will be reallocated from lower priority work, if the Commission agrees that NRC should go forward with the staff's recommendation and 2) that for FY 2008, NRC GNEP resources may be provided through supplemental appropriations or some other means.

Table 4 reflects the staff's FY 2009 proposed resources by office. It assumes that the proposed work needed to prepare for rulemaking (FY 2007 - FY 2008) was already accomplished. If this proposed work cannot be accomplished, then the start of rulemaking would be delayed approximately 1 - 2 years. For FY 2009, resources were requested through the FY 2009 budget process. The staff proposed \$1.1M and 13 FTE in the FY 2009 budget. Additional resources will be also requested through the DOE reimbursable agreement, once it is in-place. However, 2.2 FTE in FY 2009 rulemaking and 100K for safeguards evaluation were not requested, but will be addressed during the FY 2010 budget process.

Table 3. FY 2007- FY 2008 Proposed Resources by Office

| Activity  | Office   | FY07          |     |       |          |      |      | FY08                             |      |      |           |      |      |
|---|----------|---------------|-----|-------|----------|------|------|----------------------------------|------|------|-----------|------|------|
|   |          | Funds (\$)    |     |       | FTE      |      |      | Funds (\$)                       |      |      | FTE       |      |      |
|   |          | CFTC          | ABR | ACFC  | CFTC     | ABR  | AFCF | CFTC                             | ABR  | AFCF | CFTC      | ABR  | AFCF |
| Proposed to be Covered under the DOE/NRC GNEP MOU (Funds from DOE)<br><br>Interactions with DOE and industry/ international entities - including:<br><br>1. Learning Technology<br>2. Safety<br>3. Safeguards<br>4. Environmental<br>5. Information Sharing on Regulatory Process<br>• Related Training<br>• Related Travel |          |               |     |       | 1.3      | 1.3  | 0.5  |                                  |      |      | 1.5       | 1.5  | 0.75 |
|   | NMSS     |               |     |       | 1.3      | 1.3  | 0.5  |                                  |      |      | 1.5       | 1.5  | 0.75 |
|   | FSME**   |               |     |       | 0.1      | 0.1  | 0.1  |                                  |      |      | 0.1       | 0.1  | 0.1  |
|   | NRO      |               |     |       | 0.1      | 0.1  | -    |                                  |      |      | 0.1       | 0.2  | -    |
|   | RES      |               |     |       | 0.2      | 0.2  | 0.2  |                                  |      |      | 0.9       | 0.9  | 0.2  |
|   | OIP      |               |     |       | -        | -    | -    |                                  |      |      | 0.1       | 0.1  | -    |
|   | NSIR     |               |     |       | 0.1      | 0.1  | -    |                                  |      |      | 0.2       | 0.2  | 0.2  |
|   | Total    |               |     |       | 1.8      | 1.8  | 0.8  |                                  |      |      | 2.9       | 3    | 1.25 |
|   |          |               |     |       |          |      |      |                                  |      |      |           |      |      |
| PROPOSED DOE FUNDS  | Subtotal | \$200K travel |     |       | 4.4 FTE  |      |      | \$300K travel<br>\$750K contract |      |      | 7.15 FTE  |      |      |
| Develop Licensing Technical Bases:<br><br>• Complete the Conceptual Framework<br>• Gap Analyses<br>• Technical Basis for CFTC<br>• Preliminary Technical Basis for ABR<br>• Early Draft SRPs (Fuel Fab, Fuel Reprocessing, and Recycle Reactor)   | NMSS     |               |     | -     | 3.0      | 1.0  | -    | 300K                             |      | -    | 6.0       | 2.0  | -    |
|   | FSME**   |               |     | -     | 0.2      | 0.1  | -    |                                  |      | -    | 0.4       | 0.2  | -    |
|   | NRO      |               |     | -     | 0.1      | 0.1  | -    |                                  |      | -    | 0.2       | 0.2  | -    |
|   | RES      |               |     | 150K* | 1.0      | -    | 1.0* | 300K                             | 300K | -    | 0.9       | 0.9  | 0.2  |
|   | OIP      |               |     | -     | -        | -    | -    |                                  |      | -    | 0.1       | 0.1  | -    |
|   | OGC      |               |     |       | .05      | .05  |      |                                  |      |      | .05       | .05  |      |
|   | NSIR     |               |     | -     | 0.2      | 0.1  | -    | 50K                              |      | 50K  | 0.75      | 0.75 | -    |
|   | Total    |               |     | 150K  | 4.6      | 1.35 | 1    | 650K                             | 300K | 50K  | 8.4       | 4.2  | 0.2  |
| PROPOSED NRC FUNDS  | Subtotal | 150K          |     |       | 7.0 FTE  |      |      | 1M                               |      |      | 12.8 FTE  |      |      |
| GRAND TOTAL (Proposed)<br>(DOE plus NRC sources of Funds)   |          | 350K          |     |       | 11.4 FTE |      |      | 2.05M                            |      |      | 19.95 FTE |      |      |

\* Already budgeted for the Advanced Fuel Cycle Initiative

\*\* Includes DILR and DWM

Table 4. FY 2009 Proposed Resources by Office

| Activity  | Office                 | FTE         | Funds        |
|---|------------------------|-------------|--------------|
| <p>Proposed to be Covered under the DOE/NRC GNEP MOU (<b>Proposed GNEP Funds from DOE</b>)</p> <p>Interactions with DOE and industry/ international entities - including:</p> <ul style="list-style-type: none"> <li>• Learning Technology</li> <li>• Safety</li> <li>• Safeguards</li> <li>• Environmental</li> <li>• Information Sharing on Regulatory Process</li> <li>• Related Training</li> <li>• Related Travel</li> </ul> | NMSS                   | 3.75        | 350          |
|   | FSME(DWM)              | 0.2         | 50           |
|   | FSME (DILR)            | 0.1         | -0-          |
|   | NRR                    | -0-         | -0-          |
|   | NRO                    | 0.3         | 50           |
|   | RES                    | 2.0         | 350          |
|   | OIP                    | 0.2         | -0-          |
|   | NSIR                   | 0.6         | 200          |
|   | <b>Total</b>           | <b>7.15</b> | <b>1000K</b> |
| <p><b>FY 09 NRC GNEP BUDGET</b></p> <p>Develop Licensing Technical Bases:</p> <ul style="list-style-type: none"> <li>• Complete Technical Basis for ABR and CFTC</li> <li>• Continue Drafting SRPs (Fuel Fab, Fuel Reprocessing, and Recycle Reactor)</li> <li>• Prepare Rulemaking Plan</li> <li>• Start Rulemaking</li> </ul>   | NMSS                   | 9.5         | 400K         |
|   | FSME(DWM)              | 1.0         |              |
|   | FSME (DILR)            | 0.5         |              |
|   | NRO                    | 1.0         |              |
|   | NRR                    | 0.5         |              |
|   | RES                    | 2           | 600K         |
|   | OIP                    | 0.1         | -            |
|   | OGC                    | 0.2         | -            |
|   | NSIR                   | 1           | 100K         |
|   | <b>Total</b>           | <b>15.8</b> | <b>1100K</b> |
| <b>PROPOSED NRC and DOE<br/>FY 09 FUNDING</b>   | <b>Grand<br/>Total</b> | <b>22.9</b> | <b>2100K</b> |